- Amendments to the Claims -

1. - 164. (Canceled)

165. (Currently amended) A compound of the formula IA,

$$R^2$$
 R^3
 R^1

wherein:

 R^1 is C- $(OR^{80})R^4R^5$, where R^{80} is independently $(C_1$ - $C_4)$ alkyl, benzyl, $(C_1$ - $C_6)$ alkylcarbonyl or phenylcarbonyl, where said benzyl and said phenyl are optionally substituted with up to three $(C_1$ - $C_4)$ alkyl, $(C_1$ - $C_4)$ alkoxy, halo or nitro;

 R^4 and R^5 are each independently hydrogen, methyl, ethyl or hydroxy-(C₁-C₃)alkyl;

 R^2 is hydrogen, (C_1-C_4) alkyl or (C_1-C_4) alkoxy;

R³ is a radical of the formula

$$\mathbb{R}^{44}$$
 \mathbb{N}^{1} \mathbb{R}^{43} \mathbb{R}^{43} \mathbb{R}^{39} \mathbb{R}^{39} \mathbb{R}^{39}

wherein said radical of formula R^{3a} is substituted by R^6 , R^7 and R^8 ; said radical of formula R^{3b} is substituted by R^{48} , R^{49} -and R^{20} ;

G, G^1 and G^2 are taken separately and are each hydrogen and R^6 is hydrogen, (C_1-C_4) alkyl, (C_1-C_4) alkoxycarbonyl, (C_1-C_4) alkoxy- (C_1-C_4) alkyl, hydroxy- (C_1-C_4) alkyl or phenyl optionally independently substituted with up to three hydroxy, halo, hydroxy- (C_1-C_4) alkyl, (C_1-C_4) alkyl or (C_1-C_4) alkoxy, wherein said (C_1-C_4) alkyl in the definition of R^6 and said (C_1-C_4) alkoxy in the definition of R^6 are optionally and independently substituted with up to five fluoro; R^7 and R^8 are each independently hydrogen or (C_1-C_4) alkyl; or R^7 and R^8 are taken together and are (C_1-C_3) alkylene and R^6 , R^7 , R^8 and R^8 are hydrogen; or R^8 and R^8 are taken together and are R^8 0 and R^8 1.

X is a covalent bond, -(C=NR¹⁰)-, oxycarbonyl, vinylenylcarbonyl, oxy(C₁-C₄)alkylenylcarbonyl, (C₁-C₄)alkylenylcarbonyl, (C₃-C₄)alkenylcarbonyl, thio(C₁-C₄)alkylenylcarbonyl, vinylenylsulfonyl, sulfinyl-(C₁-C₄)alkylenylcarbonyl or carbonyl(C₀-C₄)alkylenylcarbonyl; wherein said oxy(C₁-C₄)alkylenylcarbonyl, (C₁-C₄)alkylenylcarbonyl, (C₁-C₄)alkylenylcarbonyl and thio(C₁-C₄)alkylenylcarbonyl in the definition of X are each optionally and independently substituted with up to two (C₁-C₄)alkyl, benzyl or Ar; said vinylenylsulfonyl and said vinylenylcarbonyl in the definition of X are optionally substituted independently on one or two vinylenyl carbons with (C₁-C₄)alkyl, benzyl or Ar; and said carbonyl(C₀-C₄)alkylenylcarbonyl in the definition of X is optionally substituted indepedently with up to three (C₁-C₄)alkyl, benzyl or Ar; R¹⁰ is hydrogen or (C₁-C₄)alkyl;

 R^9 is (C_3-C_7) cycloalkyl, $Ar^1-(C_0-C_3)$ alkylenyl or (C_1-C_6) alkyl optionally substituted with up to five fluoro; provided that when q = 0 and X is a covalent bond, oxycarbonyl or (C_1-C_6) alkylenylcarbonyl, then R^9 is not (C_1-C_6) alkyl:

Ar and Ar¹ are phenyl, naphthyl, pyridyl, pyrimidyl, pyrazinyl, pyridazinyl, triazinyl, quinolyl, isoquinolyl, quinazolyl, quinoxalyl, phthalazinyl, cinnolinyl, naphthyridinyl, pteridinyl, pyrazinopyrazinyl, pyrazinopyridazinyl, pyrimidopyridazinyl, pyrimidopyrimidyl, pyridopyrimidyl, pyridopyriazinyl, pyridopyridazinyl, pyrrolyl, furanyl, thienyl, imidazolyl, oxazolyl, thiazolyl, pyrazolyl, isoxazolyl, isothiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, tetrazolyl, indolyl, benzofuranyl, benzothienyl, benzimidazolyl, benzoxazolyl, benzothiazolyl, indazolyl, benzisoxazolyl, benzisothiazolyl, pyrrolopyridyl, furopyridyl, thienopyridyl, imidazolopyridyl, oxazolopyridyl, isothiazolopyridyl, pyrrolopyrimidyl, isoxazolopyrimidyl, isothiazolopyrimidyl, pyrrolopyrimidyl, thiazolopyrimidyl, thiazolopyrimidyl, isoxazolopyrimidyl, isothiazolopyrimidyl, pyrrolopyrazinyl, furopyrazinyl, thiazolopyrazinyl, imidazolopyrazinyl, isothiazolopyrazinyl, thiazolopyridazinyl, furopyridazinyl, thiazolopyridazinyl, isoxazolopyridazinyl, oxazolopyridazinyl, pyrrolopyridazinyl, furopyridazinyl, thiazolopyridazinyl, isoxazolopyridazinyl, oxazolopyridazinyl, thiazolopyridazinyl, isoxazolopyridazinyl, oxazolopyridazinyl, thiazolopyridazinyl, isoxazolopyridazinyl, oxazolopyridazinyl, thiazolopyridazinyl, isoxazolopyridazinyl or isothiazolopyridazinyl

independently a fully saturated, partially saturated or fully unsaturated five- to eight-membered ring optionally having up to four-heteroatoms-selected independently from oxygen, sulfur-and nitrogen, or a bicyclic ring consisting of two fused independently partially saturated, fully saturated or fully unsaturated five- to seven-membered rings, taken independently, optionally having up to four-heteroatoms-selected independently from nitrogen, sulfur and oxygen, or a

tricyclic ring consisting of three fused independently partially saturated, fully saturated or fully unsaturated five to seven membered rings, taken independently, optionally having up to four heteroatoms selected independently from nitrogen, sulfur and oxygen, said partially saturated, fully saturated ring or fully unsaturated monocyclic ring, bicyclic ring or tricyclic ring optionally having one or two oxo groups substituted on carbon or one or two oxo groups substituted on sulfur;

Ar and Ar¹ are optionally independently substituted on carbon or nitrogen, on one ring if the moiety is monocyclic, on one or both rings if the moiety is bicyclic, or on one, two or three rings if the moiety is tricyclic, with up to a total of four substituents independently selected from R¹¹, R¹², R¹³ and R¹⁴; wherein R¹¹, R¹², R¹³ and R¹⁴ are each taken separately and are each independently halo, formyl, (C₁-C₆)alkoxycarbonyl, (C₁-C₆)alkylenyloxycarbonyl, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, C(OH)R¹⁵R¹⁶, naphthyl, phenyl, imidazolyl, pyridyl, triazolyl, morpholinyl, (C₀-C₄)alkylsulfamoyl, N-(C₀-C₄)alkylcarbamoyl, N,N-di-(C₁-C₄)alkylcarbamoyl, N-phenylcarbamoyl, N-(C_1 - C_4)alkyl-N-phenylcarbamoyl, N,N-diphenyl carbamoyl, (C_1 - C_4)alkylcarbonylamido, (C_3 -C₇)cycloalkylcarbonylamido, phenylcarbonylamido, piperidinyl, pyrrolidinyl, piperazinyl, cyano, benzimidazolyl, amino, anilino, pyrimidyl, oxazolyl, isoxazolyl, tetrazolyl, thienyl, thiazolyl, benzothiazolyl, pyrrolyl, pyrazolyl, tetrahydroquinolyl, tetrahydroisoquinolyl, benzoxazolyl, pyridazinyl, pyridyloxy, pyridylsulfanyl, furanyl, 8-(C₁-C₄)alkyl-3,8-diaza[3.2.1]bicyclooctyl, 3,5dioxo-1,2,4-triazinyl, phenoxy, thiophenoxy, (C₁-C₄)alkylsulfanyl, (C₁-C₄)alkylsulfonyl, (C₃-C₇)cycloalkyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro or (C₁-C₄)alkoxy optionally substituted with up to five fluoro; said naphthyl, phenyl, pyridyl, piperidinyl, benzimidazolyl, pyrimidyl, thienyl, benzothiazolyl, pyrrolyl, tetrahydroquinolyl, tetrahydroisoquinolyl, benzoxazolyl, pyridazinyl, pyridyloxy, pyridylsulfanyl, furanyl, thiophenoxy, anilino and phenoxy in the definition of R¹¹, R¹², R¹³ and R¹⁴ are optionally substituted with up to three substituents independently selected from hydroxy, halo, hydroxy-(C₁-C₄)alkyl, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro and (C₁-C₄)alkoxy optionally substituted with up to five fluoro; said imidazolyl, oxazolyl, isoxazolyl, thiazolyl and pyrazolyl in the definition of R¹¹, R¹², R¹³ and R¹⁴ are optionally substituted with up to two substituents independently selected from hydroxy, halo, hydroxy-(C₁-C₄)alkyl, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro and (C1-C4)alkoxy optionally substituted with up to five fluoro; said morpholinyl in the definition of R¹¹, R¹², R¹³ and R¹⁴ is optionally substituted with up to two substituents independently selected from (C₁-C₄)alkyl; said pyrrolidinyl in the definition of R¹¹, R¹². R¹³ and R¹⁴ is optionally substituted with up to two substituents independently selected from hydroxy, hydroxy- (C_1-C_3) alkyl, (C_1-C_4) alkoxy- (C_1-C_4) alkyl, (C_1-C_4) alkyl optionally substituted with up to five fluoro and (C₁-C₄)alkoxy optionally substituted with up to five fluoro; said piperazinyl in the definition of R¹¹, R¹², R¹³ and R¹⁴ is optionally substituted with up to three substituents independently selected from (C_1-C_4) alkoxy- (C_1-C_4) alkyl, hydroxy- (C_1-C_3) alkyl, phenyl, pyridyl, (C₀-C₄)alkylsulfamoyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro and (C₁-C₄)alkoxy optionally substituted with up to five fluoro; said triazolyl in the definition of R¹¹, R¹², R¹³ and R¹⁴ is optionally substituted with hydroxy, halo, hydroxy-(C₁-C₄)alkyl, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro and (C₁-C₄)alkoxy optionally substituted with

up to five fluoro; said tetrazolyl in the definition of R^{11} , R^{12} , R^{13} and R^{14} is optionally substituted with hydroxy- (C_2-C_3) alkyl or (C_1-C_4) alkyl optionally substituted with up to five fluoro; and said phenyl and pyridyl which are optionally substituted on piperazine in the definition of R^{11} , R^{12} , R^{13} and R^{14} are optionally substituted with up to three hydroxy, halo, hydroxy- (C_1-C_4) alkyl, (C_1-C_4) alkyl optionally substituted with up to five fluoro and (C_1-C_4) alkoxy optionally substituted with up to five fluoro; or

 R^{11} and R^{12} are taken together on adjacent carbon atoms and are $-CH_2OC(CH_3)_2OCH_2$ - or $-O-(CH_2)_p$ -O-, and R^{13} and R^{14} are taken separately and are each independently hydrogen or (C_1-C_4) alkyl;

p is 1, 2 or 3; and

 R^{15} and R^{16} are taken separately and are each independently hydrogen, (C_1-C_4) alkyl optionally substituted with up to five fluoro; or R^{15} and R^{16} are taken separately and R^{15} is hydrogen and R^{16} is (C_3-C_6) cycloalkyl, hydroxy- (C_1-C_3) alkyl, phenyl, pyridyl, pyrimidyl, thienyl, furanyl, thiazolyl, oxazolyl, imidazolyl, benzothiazolyl or benzoxazolyl; or R^{15} and R^{16} are taken together and are (C_3-C_6) alkylene [[;]]

 G^3 , G^4 and G^5 are taken separately and are each hydrogen; r is 0; R^{18} is hydrogen, (C_4-C_4) alkyl, (C_4-C_4) alkoxy- (C_4-C_4) alkoxy- (C_4-C_4) alkyl, hydroxy- (C_4-C_4) alkyl or phenyl optionally independently substituted with up to three hydroxy, halo, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkoxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl or (C_4-C_4) alkoxy, wherein said (C_4-C_4) alkyl in the definition of R^6 and said (C_4-C_4) alkoxy in the definition of R^6 are optionally and independently substituted with up to five fluoro; and R^{40} and R^{20} are each independently (C_4-C_4) alkyl; or

 G^3 , G^4 -and G^6 -are taken separately and are each hydrogen; r is 1; R^{48} is hydrogen, $\{C_4-C_4\}$ alkyl, $\{C_4-C_4\}$ alkyl, hydroxy- $\{C_4-C_4\}$ alkyl or phenyl optionally independently substituted with up to three hydroxy, halo, hydroxy- $\{C_4-C_4\}$ alkyl, $\{C_4-C_4\}$ alkyl, $\{C_4-C_4\}$ alkyl, $\{C_4-C_4\}$ alkyl, or $\{C_4-C_4\}$ alkoxy, wherein said $\{C_4-C_4\}$ alkyl in the definition of R^6 -and said $\{C_4-C_4\}$ alkoxy in the definition of R^6 -are optionally and independently substituted with up to five fluoro; and R^{40} -and R^{20} -are each independently hydrogen or $\{C_4-C_4\}$ alkyl; or

 G^3 -and G^4 -are taken-together and are (C_4 - C_3)alkylene; r is 0 or 1; and R^{18} , R^{19} , R^{20} -and G^5 -are hydrogen; or

G⁴-and G⁵-are taken together and are (C₄-C₃)alkylene; r is 0-or 1; and R¹⁸, R¹⁹, R²⁰-and G³-are hydrogen;

 $R^{47} - is - SO_2NR^{24}R^{22} - CONR^{24}R^{22} - (C_4 - C_6)alkoxycarbonyl, (C_4 - C_6)alkylcarbonyl, Ar^2 - carbonyl, (C_4 - C_6)alkylcarbonyl, (C_4 - C_6)alkylculfinyl, Ar^2 - sulfonyl, Ar^2 - sulfonyl,$

R²⁴-and R²²-are taken separately and are each independently selected from hydrogen, (C₄-C₆)alkyl, (C₃-C₇)cycloalkyl and Ar²-(C₀-C₄)alkylenyl; or

 R^{24} -and R^{22} -are taken together with the nitrogen atom to which they are attached to form azetidinyl, pyrrolidinyl, piperidinyl, piperazinyl, morpholinyl, azepinyl, azabicyclo[3.2.2]nonanyl, azabicyclo[2.2.1]heptyl, 6,7-dihydro-5H-dibenzo[c,e]azepinyl, 1,2,3,4-tetrahydro-isoquinolyl or 5,6,7,8-tetrahydropyrido[4,3-d]pyrimidyl; said azetidinyl in the definition of R^{24} -and R^{22} -is optionally substituted independently with one substituent selected from hydroxy, amino, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl

and (C1-C1)alkoxy optionally substituted with up to five fluoro; said pyrrolidinyl, piperidinyl, azepinyl in the definition of R²¹ and R²² are optionally substituted independently with up to two substituents independently selected from hydroxy, amino, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluore and (C₄-C₄)alkexy optionally substituted with up to five fluoro; said morpholinyl in the definition of R24 and R22 is optionally substituted with up to two substituents independently selected from hydroxy-(C4-C4)alkyl, (C4-C4)alkoxy-(C4-C4)alkyl, (C4-C4)alkyl optionally substituted with up to five fluoro and (C4-C4)alkoxy optionally substituted with up to five fluoro; said piperazinyl in the definition of R24 and R22 is optionally substituted independently with up to three-substituents independently selected from phenyl, pyridyl, pyrimidyl, (C_4-C_4) alkoxycarbonyl and (C_4-C_4) alkyl optionally substituted with up to five fluoro; said 1,2,3,4-tetrahydro-isoquinolyl and said 5,6,7,8-tetrahydropyrido[4,3-d]pyrimidyl in the definition of R²⁴-and R²²-are optionally-substituted independently with up to three substituents independently selected from hydroxy, amino, halo, hydroxy-(C1-C4)alkyl, (C1-C4)alkoxy-(C1-G₄)alkyl, (G₄-G₄)alkyl optionally-substituted with up to five fluore and (G₄-G₄)alkoxy optionally substituted with up to five fluoro; and said 6,7-dihydro-5H-dibenzo[c,e]azepinyl in the definition of R²¹-and R²² is optionally substituted with up to four substituents independently selected from hydroxy, amino, halo, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluoro and (C₄-C₄)alkoxy optionally substituted with up to five fluoro; said pyrimidyl, pyridyl and phenyl which are optionally substituted on said piperazine in the definition of R²¹ and R²² is optionally substituted with up to three substituents selected from hydroxy, amino, hydroxy (G₁-G₄)alkyl, (G₁-G₄)alkoxy (G₁-G₄)alkyl, (G₁-G₄)alkyl optionally substituted with up to five fluore and (C₄-C₄)alkexy eptionally substituted with up to five fluore: Ar2 is independently defined as set forth for Ar and Ar2-above: said Ar2 is optionally independently substituted as set forth for Ar and Ar4-above; R²³-is-CONR²⁵R²⁶-or-SO₂R²⁵R²⁶-wherein R²⁵-is hydrogen (C₄-C₄)alkyl or Ar³-(C₀-C₄)alkylenyl and R²⁶-is Ar³-(C₀-C₄)alkylenyl; provided that when Ar³-is phenyl, naphthyl or biphenyl, then R²³ cannot be CONR²⁵R²⁶ where R²⁵ is hydrogen or Ar³ and R²⁶ is Ar³; R²⁴-is-hydrogen, (C₄-C₄)alkyl, (C₄-C₄)alkoxycarbonyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, hydroxy-(C₄-C₄)alkyl or phenyl optionally independently substituted with up to three hydroxy, halo, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl or (C₄-C₄)alkoxy, wherein said (C₄-C₄)alkyl in the definition of R⁶ and said (C₁-C₄)alkoxy in the definition of R⁶ are optionally and independently substituted with up to five fluoro; Ar3 is independently defined as set forth for Ar and Ar4 above: said Ar³ is optionally independently substituted as set forth for Ar and Ar⁴ above; R²⁷-is hydrogen or (C₁-C₄)alkyl; R²⁸-and R²⁹-are each independently hydrogen, hydroxy, halo, hydroxy (C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluoro, (C₄-C₄)alkoxy optionally substituted with up to five fluoro, phenyl, pyridyl, pyrimidyl, thienyl, furanyl, thiazolyl, oxazolvl. phenoxy. thiophenoxy. SO2NR30R31, CONR30R31 or NR30R31; said thienyl, pyrimidyl, furanyl, thiazolyl and exazelyl in the definition of R²⁸ and R²⁹ are eptionally substituted by up to two-hydroxy, halo, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally

substituted with up to five fluoro or (C_4-C_4) alkoxy optionally substituted with up to five fluoro; said phenyl, pyridyl, phenoxy and thiophenoxy in the definition of \mathbb{R}^{28} -and \mathbb{R}^{29} -are optionally substituted by up to three hydroxy, halo, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkoxy- (C_4-C_4) alkoxy optionally substituted with up to five fluoro or (C_4-C_4) alkoxy optionally substituted with up to five fluoro:

 R^{30} -and R^{34} -are each independently hydrogen, (C_4-C_4) alkyl, (C_3-C_7) cycloalkyl or phenyl, said phenyl is optionally substituted with up to three hydroxy, hale, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl optionally substituted with up to five fluoro or (C_4-C_4) alkoxy optionally substituted with up to five fluoro; or

 R^{30} -and R^{34} are taken together with the nitrogen to which they are attached to form indolinyl, pyrrolidinyl, piperazinyl or morpholinyl; said pyrrolidinyl and piperidinyl in the definition of R^{30} -and R^{34} -are optionally substituted with up to two hydroxy, amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkyl, optionally substituted with up to five fluoro or $(C_4$ - C_4)alkoxy optionally substituted with up to five fluoro; said indolinyl and piperazinyl in the definition of R^{30} and R^{34} -are optionally substituted with up to three hydroxy, amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy- $(C_4$ - C_4)alkoxy- $(C_4$ - C_4)alkoxy-amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy-amino amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy-amino amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy-amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy-amino, hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkyl-optionally substituted with up to five fluoro; said morpholinyl in the definition of R^{30} and R^{34} is optionally substituted with up to two substituents independently selected from hydroxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkoxy- $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkyl, $(C_4$ - C_4)alkyl optionally substituted with up to five fluoro; A is N optionally substituted with hydrogen or $(C_4$ - C_4)alkyl and B is carbonyl; or

A is carbonyl and B is N optionally substituted with hydrogen or (G_4-G_4) alkyl; \mathbb{R}^{32} is hydrogen or (G_4-G_4) alkyl;

 R^{33} -is-phenyl, pyridyl, pyrimidyl, thiazolyl, exazolyl, benzyl, quinolyl, isoquinolyl, phthalizinyl, quinoxanlyl, benzothiazoyl, benzoxazolyl, benzofuranyl or benzothionyl; said phenyl, pyridyl, pyrimidyl, thiazolyl, exazolyl, benzyl, quinolyl, isoquinolyl, phthalizinyl, quinoxanlyl, benzothiazoyl, benzoxazolyl, benzofuranyl and benzothionyl in the definition of R^{33} -are optionally substituted with up to three phenyl, phenoxy, $NR^{34}R^{35}$, halo, hydroxy, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl, (C_4-C_4) alkyl optionally substituted with up to five fluoro or (C_4-C_4) alkoxy-optionally substituted with up to five fluoro;

 R^{34} -and R^{35} -are each independently hydrogen, (C_4 - C_4 -alkyl), phenyl or phenylsulfonyl; said phenyl-and phenylsulfonyl in the definition of R^{34} -and R^{35} -are optionally substituted with up to three halo, hydroxy, (C_4 - C_4)alkyl optionally substituted with up to five fluoro or (C_4 - C_4)alkoxy optionally substituted with up to five fluoro;

D is CO, CHOH or CH2;

E is O, NH or S;

 R^{36} -and- R^{37} -are taken separately and are each independently hydrogen, halo, cyano, hydroxy, amine, (C_4-C_6) alkylamine, di- (C_4-C_6) alkylamine, pyrrolidine, piperidine, morpheline, (C_4-C_4) alkoxy- (C_4-C_4) alkyl, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl, optionally substituted with up to five fluore; (C_4-C_4) alkoxy optionally substituted with up to five fluore; (C_4-C_4) alkoxy-optionally hydrogen or (C_4-C_4) -alkyl;

Ar⁴ is phenyl, furanyl, thienyl, pyridyl, pyrimidyl, pyrazinyl or pyridazinyl; said Ar⁴-being optionally substituted with up to three hydroxy, (C_4-C_4) alkoxy- (C_4-C_4) alkyl, halo, hydroxy- (C_4-C_4) alkyl, (C_4-C_4) alkyl optionally substituted with up to five-fluoro or (C_4-C_4) alkoxy optionally substituted with up to five-fluoro; or

R³⁶-and R³⁷-are taken together on adjacent carbon atoms and are -O-(CH₂)_t-O-; t is 1, 2 or 3;

Y-is-(C2-C6)alkylene;

R⁴⁴, R⁴⁵ and R⁴⁶ are each independently hydrogen or (C₄-C₄)alkyl; m and n are each independently 1, 2 or 3, provided that the sum of m and n is 2, 3 or 4; k is 0, 1, 2, 3 or 4;

¥⁴-is a covalent bond, carbonyl, sulfonyl or oxycarbonyl;

R⁴³ is (C₃-C₇)cycloalkyl, Ar⁵-(C₀-C₄)alkylenyl, NR⁴⁷R⁴⁸-or (C₄-C₆)alkyl optionally substituted with one to five fluoro; provided that when Y¹ is a covalent bond or oxycarbonyl, then R⁴³ is not NR⁴⁷R⁴⁸.

 R^{47} -and R^{48} -are taken separately and are each independently selected from hydrogen, Ar^{5} , $(C_{4}-G_{6})$ alkyl and $Ar^{5}-(C_{0}-G_{4})$ alkylenyl; or

R47-and R48-are taken together with the nitrogen atom to which they are attached to form azetidinyl, pyrrolidinyl, piperidinyl, piperazinyl, morpholinyl, azepinyl, azabicyclol3,2,2Inonanyl, azabicyclo[2.2.1]heptyl, 1,2,3,4-tetrahydroisoguinolyl, 6,7-dihydro-5H-dibenzo[c.e]azepinyl or 5.6.7.8-tetrahydropyridol4.3-dlpyrimidyl; said-azetidinyl in the definition of R47 and R48 are optionally substituted with one hydroxy, amino, hydroxy (C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluore or (C₄-C₄)alkoxy optionally substituted with up to five fluore; said pyrrolidinyl, piperidinyl and azepinyl in the definition of R47 and R48 are optionally substituted with up to two hydroxy, amino, hydroxy-(C4-C4)alkyl, (C4-C4)alkoxy-(C4-C₄)alkyl, (C₁-C₄)alkyl optionally substituted with up to five fluoro or (C₁-C₄)alkoxy optionally substituted with up to five fluoro; said morpholinyl in the definition of R47 and R48 is optionally substituted-with up to two substituents independently selected from hydroxy-(C4-C4)alkyl, (C4-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluore and (C₄-C₄)alkoxy optionally substituted with up to five fluoro; said piperazinyl, 1,2,3,4-tetrahydroisoguinolyl and 5,6,7,8-tetrahydro[4,3-d]pyrimidyl in the definition of R47 and R48 are optionally substituted with up to three hydroxy, amino, halo, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C₄-C₄)alkyl optionally substituted with up to five fluoro or (C₁-C₄)alkoxy optionally substituted with up to five fluoro; and said 6,7-dihydro-5H-dibenzo[c,e]azepinyl in the definition of R47 and R48 are optionally substituted with up to four hydroxy, amino, halo, hydroxy-(C₄-C₄)alkyl, (C₄-C₄)alkoxy-(C₄-C₄)alkyl, (C4-C4)alkyl optionally substituted with up to five-fluoro or (C4-C4)alkoxy optionally substituted with up to five fluoro;

 Ar^6 -is-independently defined as set forth for Ar and Ar^4 -above; Ar^6 -is-optionally-independently substituted as set forth for Ar and Ar^4 -above; R^{42} -and R^{420} -are independently hydrogen, (C_3-C_7) -cycloalkyl, Ar^6 - (C_0-C_3) -alkylenyl, Ar^6 - (C_2-C_4) -alkenyl, Ar^6 -carbonyl or (C_4-C_6) -alkyl optionally substituted with up to five fluoro; Ar^6 -is-independently defined as set forth for Ar-and Ar^4 -above;

Ar⁶ is optionally independently substituted as set forth for Ar and Ar⁴-above; and R⁴¹ and R^{41a} are each independently hydrogen or (C₄-C₄)alkyl.

166. (Original) A compound of claim 165 selected from 1R-(4-{4-{2-(1Rbutyryloxy-ethyl)-pyrimidin-4-yl]-2R,6S-dimethyl-piperazin-1-yl}-pyrimidin-2-yl)-ethyl butyrate; 1R-(4-{4-[2-(1S-butyryloxy-ethyl)-pyrimidin-4-yl]-2R,6S-dimethyl-piperazin-1-yl}-pyrimidin-2-yl)-ethyl butyrate; 1S-(4-{4-[2-(1R-butyryloxy-ethyl)-pyrimidin-4-yl]-2R,6S-dimethyl-piperazin-1-yl}pyrimidin-2-yl)-ethyl butyrate; (E)-1R-{4-[4-(2-methyl-32-phenyl-acryloyl)-piperazin-1-yl]pyrimidin-2-yl}-ethyl acetate; (R)-1-[4-(4-quinoxalin-2-yl-piperazin-1-yl)-pyrimidin-2-yl]-ethyl acetate; 1R-(4-{4-[2-(1RS-hydroxy-ethyl)-pyrimidin-4-yl]-2R,6S-dimethyl-piperazin-1-yl}pyrimidin-2-yl)-ethyl butyrate; 1RS-(4-{4-[2-(1R-hydroxy-ethyl)-pyrimidin-4-yl]-3R,5S-dimethylpiperazin-1-yl}-pyrimidin-2-yl)-ethyl butyrate; 1R-[4-(3S-methyl-4-oxazolo[5,4-b]pyridin-2-ylpiperazin-1-yl)-pyrimidin-2-yl]-ethyl butyrate; 1R-{4-[3R,5S-dimethyl-4-(4-methyl-6-phenyl-[1,3,5]triazin-2-yl)-piperazin-1-yl]-pyrimidin-2-yl}-ethyl butyrate; 1R-{4-[4-(4-cyclopropyl-[1,3,5]triazin-2-yl)-3R,5S-dimethyl-piperazin-1-yl]-pyrimidin-2-yl}-ethyl butyrate; 1R-{4-[4-(4cyclopropyl-[1,3,5]triazin-2-yl)-2R,6S-dimethyl-piperazin-1-yl]-pyrimidin-2-yl}-ethyl butyrate; 1R-{4-[4-(4,6-dimethyl-[1,3,5]triazin-2-yl)-2R,6S-dimethyl-piperazin-1-yl}-pyrimidin-2-yl}-ethyl butyrate; 1R-{4-[4-(4-hydroxymethyl-6-phenyl-[1,3,5]triazin-2-yl)-2R,6S-dimethyl-piperazin-1-yl]pyrimidin-2-yl}-ethyl butyrate; 1R-{4-[4-(4-methoxy-6-methoxymethyl-[1,3,5]triazin-2-yl)-R,6Sdimethyl-piperazin-1-yl]-pyrimidin-2-yl}-ethyl butyrate; and 1R-{4-[2R,6S-dimethyl-4-(4-methyl-[1,3,5]triazin-2-yl)-piperazin-1-yl]-pyrimidin-2-yl}-ethyl butyrate.

167. - 188. (Canceled)